

Re: Flowback radiation levels

Angela McFadden to: Martin Schwartz, Judith Hykel

Cc: David Dillon, Chris Spangenberg, "Amy Bergdale"

02/09/2010 09:54 AM

From: Angela McFadden/R3/USEPA/US

To: Martin Schwartz/R3/USEPA/US@EPA, Judith Hykel/R3/USEPA/US@EPA

Cc: David Dillon/R3/USEPA/US@EPA, Chris Spangenberg/R3/USEPA/US, "Amy Bergdale" <Bergdale.Amy@epamail.epa.gov>

History: This message has been forwarded.

Ex. 7(e)

Angela McFadden  
U.S. EPA Region 3  
Water Protection Division  
1650 Arch Street (3WP00)  
Philadelphia, PA 19103

215-287-7823 cell  
215-814-2324 desk  
215-814-2301 fax  
Martin Schwartz

----- Original Message -----  
From: Martin Schwartz  
Sent: 02/09/2010 09:28 AM EST  
To: Angela McFadden; Judith Hykel  
Cc: David Dillon; Chris Spangenberg  
Subject: Flowback radiation levels

These are comments from one of the teachers here at school re; wells in Dimock. He has a Phd in biochemistry and physics from the University of Chicago, one of the most outstanding schools in the country/.

These levels are off the friggin charts. Acceptable levels are way lower. This website explains things very nicely.

<http://healthvermont.gov/enviro/rad/alpha.aspx>

As part of the DEP permit application for the proposed Water Treatment Plant in Eaton Township, Wyoming County PA. water samples of flowback fluids from Dimock gas wells were analyzed by Quantum Analytical and Environmental Laboratories, Inc. of Dickson City, PA.

This is what was found;

Lewis 1 Well  
sample taken 8/24/08

Gross Alpha 223.3 pCi/L  
Gross Beta 309.2 pCi/L  
Radium 226 69.63 pCi/L  
radium 228 18.55 pCi/L

Lewis 2 Well  
sample taken 8/24/08

Gross Alpha 159.9 pCi/L  
Gross Beta 210.3 pCi/L  
Radium 226 69.32 pCi/L  
Radium 228 9.64 pCi/L

--